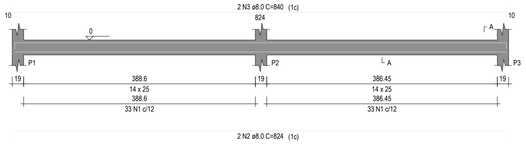
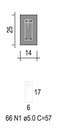
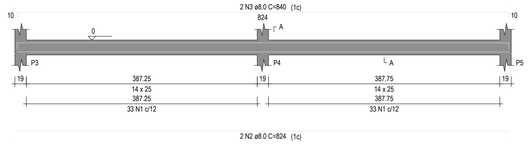
VB1
ESC: 1:50



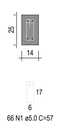

SEÇÃO A-A
ESC: 1:25



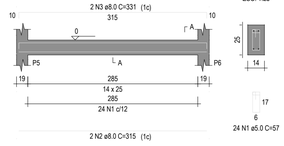

VB2
ESC: 1:50



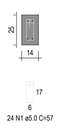

SEÇÃO A-A
ESC: 1:25



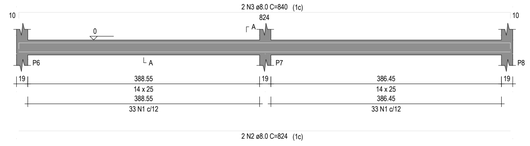

VB3
ESC: 1:50



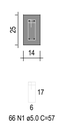

SEÇÃO A-A
ESC: 1:25



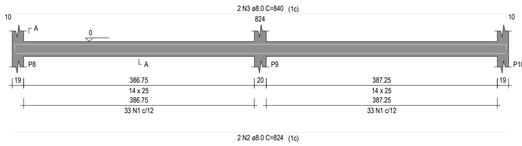

VB4
ESC: 1:50



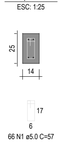

SEÇÃO A-A
ESC: 1:25



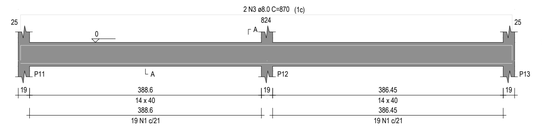

VB5
ESC: 1:50



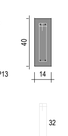

SEÇÃO A-A
ESC: 1:25



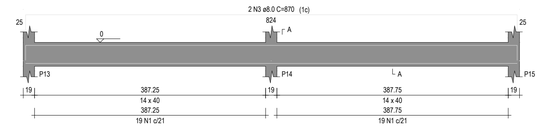

VB6
ESC: 1:50



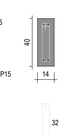

SEÇÃO A-A
ESC: 1:25



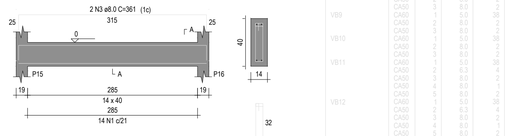

VB7
ESC: 1:50




SEÇÃO A-A
ESC: 1:25



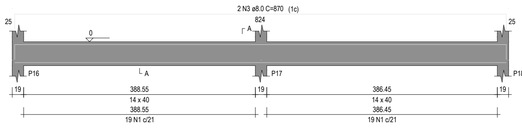

VB8
ESC: 1:50



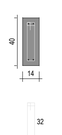

SEÇÃO A-A
ESC: 1:25



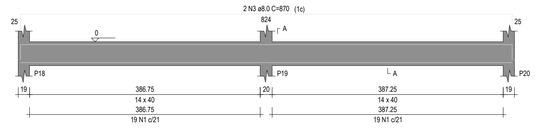

VB9
ESC: 1:50



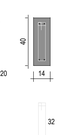

SEÇÃO A-A
ESC: 1:25



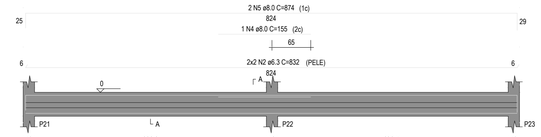

VB10
ESC: 1:50




SEÇÃO A-A
ESC: 1:25

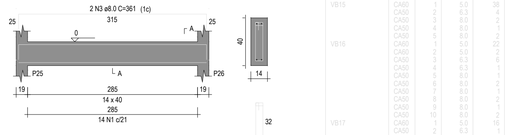



VB11
ESC: 1:50




SEÇÃO A-A
ESC: 1:25

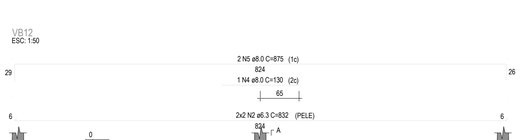
VB13
ESC: 1:50




SEÇÃO A-A
ESC: 1:25

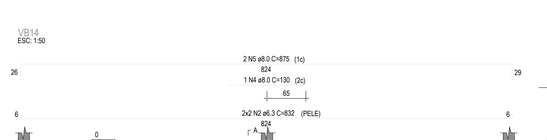



VB12
ESC: 1:50

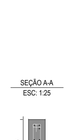



SEÇÃO A-A
ESC: 1:25

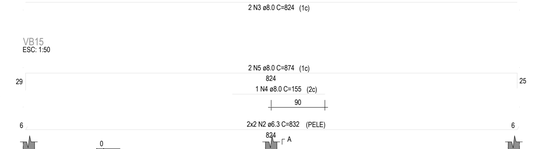
VB14
ESC: 1:50




SEÇÃO A-A
ESC: 1:25

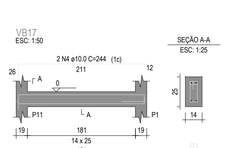



VB15
ESC: 1:50




SEÇÃO A-A
ESC: 1:25

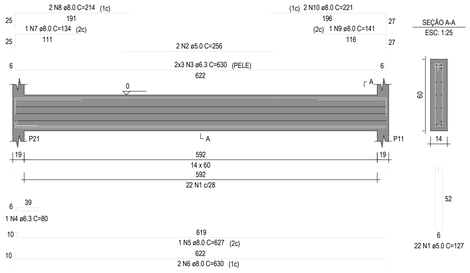
VB17
ESC: 1:50




SEÇÃO A-A
ESC: 1:25



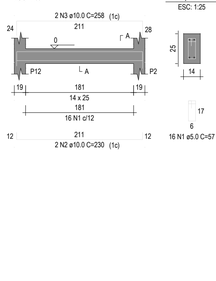

VB16
ESC: 1:50




SEÇÃO A-A
ESC: 1:25



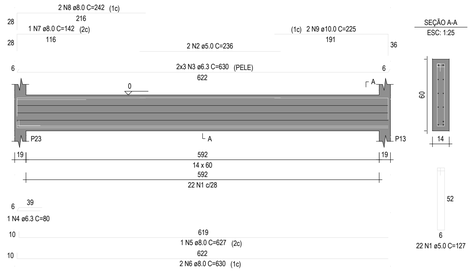

VB18
ESC: 1:50




SEÇÃO A-A
ESC: 1:25



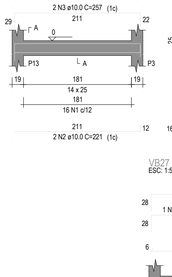

VB19
ESC: 1:50




SEÇÃO A-A
ESC: 1:25

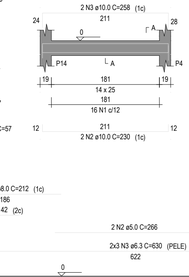



VB20
ESC: 1:50



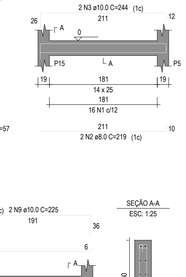

SEÇÃO A-A
ESC: 1:25

VB21
ESC: 1:50



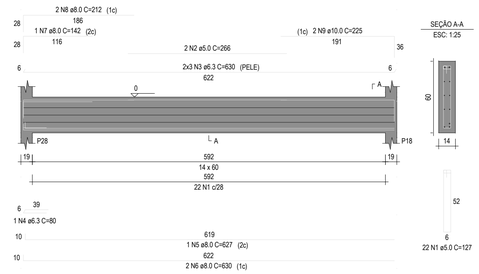

SEÇÃO A-A
ESC: 1:25

VB23
ESC: 1:50




SEÇÃO A-A
ESC: 1:25

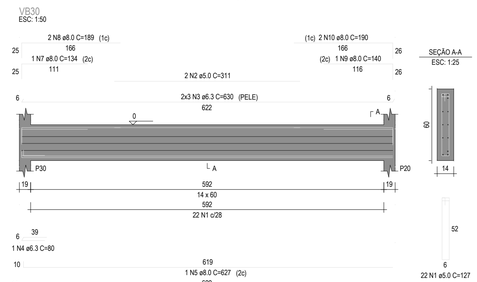
VB27
ESC: 1:50




SEÇÃO A-A
ESC: 1:25



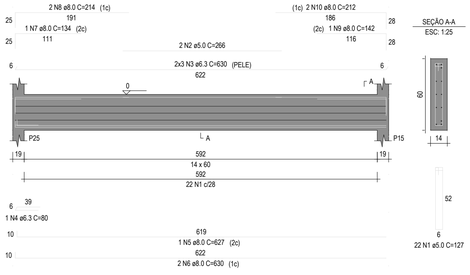

VB30
ESC: 1:50




SEÇÃO A-A
ESC: 1:25



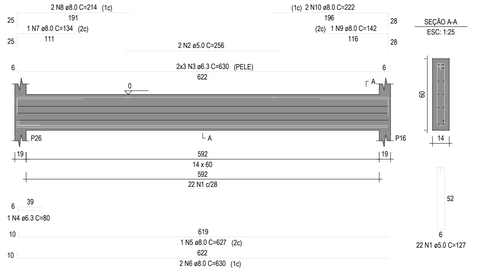

VB22
ESC: 1:50




SEÇÃO A-A
ESC: 1:25



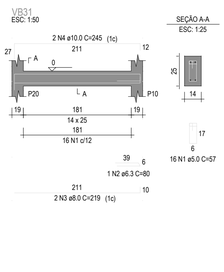

VB24
ESC: 1:50




SEÇÃO A-A
ESC: 1:25



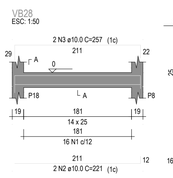

VB31
ESC: 1:50



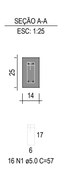

SEÇÃO A-A
ESC: 1:25



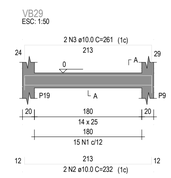

VB28
ESC: 1:50



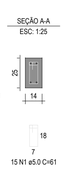

SEÇÃO A-A
ESC: 1:25



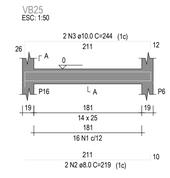

VB29
ESC: 1:50



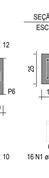

SEÇÃO A-A
ESC: 1:25



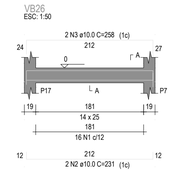

VB25
ESC: 1:50



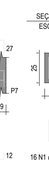

SEÇÃO A-A
ESC: 1:25




VB26
ESC: 1:50




SEÇÃO A-A
ESC: 1:25




RELAÇÃO DO AÇO

| ELEMENTO | AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|---|
| VB1 | CA60 | 1 | 5.0 | 66 | 57 | 3762 |
| | CA50 | 2 | 8.0 | 2 | 824 | 1648 |
| VB2 | CA60 | 1 | 5.0 | 66 | 57 | 3762 |
| | CA50 | 2 | 8.0 | 2 | 824 | 1648 |
| VB3 | CA60 | 1 | 5.0 | 24 | 57 | 1368 |
| | CA50 | 2 | 8.0 | 2 | 315 | 630 |
| VB4 | CA60 | 1 | 5.0 | 66 | 57 | 3762 |
| | CA50 | 2 | 8.0 | 2 | 824 | 1648 |
| VB5 | CA60 | 1 | 5.0 | 66 | 57 | 3762 |
| | CA50 | 2 | 8.0 | 2 | 824 | 1648 |
| VB6 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 870 | 1740 |
| VB7 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 824 | 1648 |
| VB8 | CA60 | 1 | 5.0 | 14 | 87 | 1218 |
| | CA50 | 2 | 8.0 | 2 | 315 | 630 |
| VB9 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 870 | 1740 |
| VB10 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 824 | 1648 |
| VB11 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 874 | 1748 |
| | CA50 | 1 | 8.0 | 2 | 155 | 155 |
| | CA50 | 2 | 6.3 | 2 | 832 | 3328 |
| VB12 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 875 | 1750 |
| | CA50 | 1 | 8.0 | 2 | 130 | 260 |
| | CA50 | 2 | 6.3 | 2 | 832 | 3328 |
| VB13 | CA60 | 1 | 5.0 | 14 | 87 | 1218 |
| | CA50 | 2 | 8.0 | 2 | 361 | 722 |
| VB14 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 875 | 1750 |
| | CA50 | 1 | 8.0 | 2 | 130 | 260 |
| | CA50 | 2 | 6.3 | 2 | 832 | 3328 |
| VB15 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 874 | 1748 |
| | CA50 | 1 | 8.0 | 2 | 155 | 155 |
| | CA50 | 2 | 6.3 | 2 | 832 | 3328 |
| VB16 | CA60 | 1 | 5.0 | 22 | 87 | 1914 |
| | CA50 | 2 | 8.0 | 2 | 256 | 512 |
| | CA50 | 1 | 8.0 | 2 | 80 | 160 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB17 | CA60 | 1 | 5.0 | 14 | 87 | 1218 |
| | CA50 | 2 | 8.0 | 2 | 214 | 428 |
| | CA50 | 1 | 8.0 | 2 | 134 | 268 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB18 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 258 | 516 |
| | CA50 | 1 | 8.0 | 2 | 230 | 460 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB19 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 242 | 484 |
| | CA50 | 1 | 8.0 | 2 | 236 | 472 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB20 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 257 | 514 |
| | CA50 | 1 | 8.0 | 2 | 230 | 460 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB21 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 258 | 516 |
| | CA50 | 1 | 8.0 | 2 | 230 | 460 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB22 | CA60 | 1 | 5.0 | 22 | 87 | 1914 |
| | CA50 | 2 | 8.0 | 2 | 256 | 512 |
| | CA50 | 1 | 8.0 | 2 | 80 | 160 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB23 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 244 | 488 |
| | CA50 | 1 | 8.0 | 2 | 219 | 438 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB24 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 256 | 512 |
| | CA50 | 1 | 8.0 | 2 | 80 | 160 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB25 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 244 | 488 |
| | CA50 | 1 | 8.0 | 2 | 219 | 438 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB26 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 258 | 516 |
| | CA50 | 1 | 8.0 | 2 | 231 | 462 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB27 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 212 | 424 |
| | CA50 | 1 | 8.0 | 2 | 142 | 284 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB28 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 257 | 514 |
| | CA50 | 1 | 8.0 | 2 | 221 | 442 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB29 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 261 | 522 |
| | CA50 | 1 | 8.0 | 2 | 232 | 464 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB30 | CA60 | 1 | 5.0 | 38 | 87 | 3306 |
| | CA50 | 2 | 8.0 | 2 | 311 | 622 |
| | CA50 | 1 | 8.0 | 2 | 189 | 378 |
| | CA50 | 2 | 6.3 | 2 | 630 | 2520 |
| VB31 | CA60 | 1 | 5.0 | 10 | 87 | 912 |
| | CA50 | 2 | 8.0 | 2 | 245 | 490 |
| | CA50 | 1 | 8.0 | 2 | 219 | 438 |
| | CA50 | 2 | 10.0 | 2 | 245 | 490 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 0% (kg) |
|---|---|---|---|
| CA50 | 8.0 | 366.3 | 89.6 |
| | 6.3 | 637.4 | 291.5 |
| | 10.0 | 86.6 | 167.5 |
| CA60 | 5.0 | 744.3 | 114.7 |
| PESO TOTAL (kg) | | | |
| CA50 | | 394.7 | |
| CA60 | | 114.7 | |

Volume de concreto (C-30) = 9.31 m³
Área de forma = 156.68 m²

ASSINATURAS E APROVAÇÃO

PROJETISTA:
LEONARDO SILVEIRA LIMA
ENGENHEIRO CIVIL - RNP: 060158106?

PROPRIETÁRIO:

APROVAÇÃO

GEOPAC
AVENIDA PADRE ANTÔNIO TOMÁS, N.º 2420, SALA 301/302
BAIRRO ALDEOTA | FORTALEZA/CE
FONE: 85 3241.31.47 | EMAIL: GEOPAC@GEOPAC.COM.BR

PROPRIETÁRIO:
**PREFEITURA MUNICIPAL DE ARACATI/CE**

OBRA:
**CONSTRUÇÃO DA EEFTI WALDOMIRO AFONSO**

PROJETO:
ESTRUTURAS DE CONCRETO - BLOCO II

IDENTIFICAÇÃO DOS DESENHOS:
VIGAS INFERIORES

| LOCAL: | DATA: | PRANCHA: |
|---|---|---|
| VOLTA / ARACATI - CE | JUL/2022 | 05/10 |
| DESENHO: LEONARDO SILVEIRA | ESCALA: INDICADA | ARQUIVO: ARCT - 22.24 |